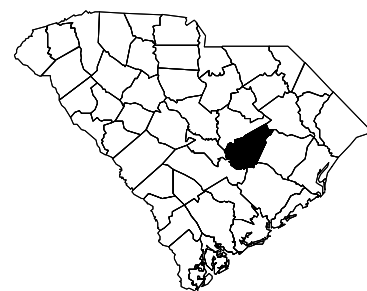


IMPACT OF CHRONIC CONDITIONS CLARENDON County, 2002



In the year 2002, the leading causes of death among South Carolinians were heart disease, cancer, stroke, accidents, chronic lower respiratory disease, diabetes, Alzheimer's disease, pneumonia and influenza, nephritis, nephritic syndrome, nephrosis and septicemia. This report focuses on the chronic conditions of the population of Clarendon county, and is compared to the overall chronic conditions of the population of South Carolina as a whole.

The distribution of Clarendon county's population is similar to the state population. The majority (36%) of the population in Clarendon county are between the ages of 18-44. There are more females (51%) than males (49%). However, Clarendon county has a higher minority population (54%) than the state (32%). When adults in Clarendon county were asked about their general health status, 62.8% reported having excellent, very good, or good health in 2002 (SC was 83%).

	CLARENDON COUNTY	STATE
Population size	32,895	4,107,183
Age distribution (%)		
<18	24	24
18-44	36	40
45-64	26	24
65-84	13	11
85+	2	1
Race (%)		
White	47	68
Black & Other	54	32
Sex (%)		
Male	49	49
Female	51	51

In spite of the overall reports of good health given by the citizens of the Palmetto State, chronic conditions are still making an impact on the health of many South Carolinians. Through primary and secondary prevention we hope to reduce the risk factors that contribute to the major chronic diseases and leading causes of death among South Carolinians.

The chart below contains the risk factors that contribute to an increased risk of developing a chronic condition. These risk factors are related to the major causes of morbidity and mortality among South Carolinians. Some common behavioral risk factors that contribute to the leading causes of death are smoking, sedentary lifestyle, obesity, and high cholesterol. The prevalence of these risk factors from the 2002 South Carolina Behavioral Risk Factor Surveillance System (BRFSS) survey are listed in the table below for Clarendon county.

RISK FACTOR	COUNTY (%)	STATE (%)
Current smoking	25	27
Sedentary lifestyle	34	42
Overweight	63	60
High Cholesterol	8	8

Some preventive measures such as immunization were included in the 2002 SC BRFSS. For persons age 65 and older in South Carolina:

30.6% have not received the flu shot in the past 12 months

35.1% have never had the pneumonia vaccination

Hospital/ED data in the following tables include ONLY those cases treated in SC hospitals. Cases treated in hospitals outside of SC are NOT included.

HYPERTENSION	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	27.7	.	.	.	.	28.4
Number of hospitalizations	37	25	12	19	18	5,173
Standard rate of hospitalizations (per 100,000)	110	151	77	115	105	125
Median age of hospitalized patients	68	68	63	63	68	63
Total cost of hospitalization (\$)	428,200	353,000	75,200	242,100	186,100	79,350,400
Average length of hospital stay (days)	5	5	4	5	5	5
Number of ED visits	118	94	24	44	74	7,306
Standard rate of ED visits (per 100,000)	347	582	129	276	414	175
Median age of ED patients	55	53	68	53	58	53
Total cost of ED visits (\$)	77,800	62,500	15,300	30,500	47,300	5,902,800
Number of deaths*	3	2	1	3	-	366
Standard death rate (per 100,000)*	8	13	7	23	-	9

HEART DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	3.29	.	.	.	.	5.13
Number of hospitalizations	247	67	180	145	102	30,831
Standard rate of hospitalizations (per 100,000)	652	407	849	822	492	734
Median age of hospitalized patients	68	68	68	68	73	68
Total cost of hospitalization (\$)	7,912,700	2,172,800	5,739,900	5,047,900	2,864,800	969,122,700
Average length of hospital stay (days)	5	7	5	5	6	5
Number of ED visits	51	18	33	30	21	2,754
Standard rate of ED visits (per 100,000)	136	111	162	170	104	66
Median age of ED patients	68	68	68	68	68	63
Total cost of ED visits (\$)	95,300	22,800	72,500	61,300	34,000	10,617,900
Number of deaths*	80	37	43	45	35	9,723
Standard death rate (per 100,000)*	221	237	201	279	166	246

STROKE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	2.9	.	.	.	.	2.38
Number of hospitalizations	84	30	54	37	47	14,317
Standard rate of hospitalizations (per 100,000)	224	194	244	214	223	351
Median age of hospitalized patients	78	73	78	73	78	73
Total cost of hospitalization (\$)	1,930,300	629,200	1,301,100	690,100	1,240,200	279,819,700
Average length of hospital stay (days)	6	7	6	6	7	6
Number of ED visits	29	12	17	13	16	2,732
Standard rate of ED visits (per 100,000)	76	75	75	72	75	67
Median age of ED patients	68	58	73	63	73	73
Total cost of ED visits (\$)	65,700	29,300	36,400	32,900	32,800	6,322,600
Number of deaths*	33	17	16	10	23	2,816
Standard death rate (per 100,000)*	96	112	84	78	110	73

CHRONIC OBSTRUCTIVE PULMONARY DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	93	43	50	41	52	14,524
Standard rate of hospitalizations (per 100,000)	271	251	260	249	294	351
Median age of hospitalized patients	53	43	58	43	58	58
Total cost of hospitalization (\$)	1,178,900	636,600	542,300	487,500	691,400	198,700,700
Average length of hospital stay (days)	4	4	5	4	5	5
Number of ED visits	455	333	122	205	250	37,517
Standard rate of ED visits (per 100,000)	1,384	1,917	765	1,311	1,472	914
Median age of ED patients	23	18	48	13	33	33
Total cost of ED visits (\$)	347,100	245,500	101,600	168,700	178,400	30,607,600
Number of deaths*	14	8	6	11	3	1,891
Standard death rate (per 100,000)*	39	48	27	87	13	48

DIABETES	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	8.56	.	.	.	.	8.33
Number of hospitalizations	51	41	10	18	33	8,652
Standard rate of hospitalizations (per 100,000)	157	244	59	117	197	207
Median age of hospitalized patients	53	53	53	55	53	53
Total cost of hospitalization (\$)	815,300	643,500	171,800	275,700	539,600	127,167,500
Average length of hospital stay (days)	8	8	7	8	8	6
Number of ED visits	87	81	6	30	57	9,316
Standard rate of ED visits (per 100,000)	250	493	37	190	302	224
Median age of ED patients	53	53	68	58	53	53
Total cost of ED visits (\$)	52,900	48,500	4,400	17,300	35,600	8,261,100
Number of deaths*	13	7	6	1	5	1,114
Standard death rate (per 100,000)*	35	46	32	12	53	28

ALL CANCERS	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	175	98	77	72	103	24,644
Standard rate of hospitalizations (per 100,000)	512	606	395	438	587	591
Median age of hospitalized patients	58	53	63	63	48	58
Total cost of hospitalization (\$)	4,304,800	2,415,700	1,889,100	1,786,900	2,517,900	605,119,300
Average length of hospital stay (days)	7	6	8	8	6	6
Number of deaths*	76	32	44	44	32	8,320
Standard death rate (per 100,000)*	211	198	227	306	153	203

COLORECTAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	17	7	10	10	7	2,113
Standard rate of hospitalizations (per 100,000)	50	44	55	61	38	51
Median age of hospitalized patients	63	58	63	63	58	68
Total cost of hospitalization (\$)	488,300	197,700	290,600	266,300	222,000	80,248,200
Average length of hospital stay (days)	9	7	10	9	8	10
Number of deaths*	7	1	6	5	2	807
Standard death rate (per 100,000)*	20	5	32	31	10	20

BREAST CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	13	9	4	.	13	1,465
Standard rate of hospitalizations (per 100,000)	40	55	24	.	74	35
Median age of hospitalized patients	53	53	50	.	53	63
Total cost of hospitalization (\$)	189,100	117,200	71,900	.	189,100	21,213,600
Average length of hospital stay (days)	3	2	4	.	3	3
Number of deaths*	8	2	6	-	8	630
Standard death rate (per 100,000)*	25	13	40	-	42	15

CERVICAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	.	.	.	.	.	222
Standard rate of hospitalizations (per 100,000)	4	7	.	.	7	5
Median age of hospitalized patients	33	33	.	.	33	48
Total cost of hospitalization (\$)	20,700	20,700	.	.	20,700	3,668,300
Average length of hospital stay (days)	8	8	.	.	.	4
Number of deaths*	-	-	-	-	-	26
Standard death rate (per 100,000)*	-	-	-	-	6	3

LUNG CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	10	5	5	9	1	2,154
Standard rate of hospitalizations (per 100,000)	26	31	24	59	5	51
Median age of hospitalized patients	68	63	73	68	68	68
Total cost of hospitalization (\$)	262,600	167,300	95,300	237,600	25,000	70,474,400
Average length of hospital stay (days)	9	13	5	9	8	9
Number of deaths*	20	7	13	14	6	2,481
Standard death rate (per 100,000)*	55	43	64	95	27	60

PROSTATE CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	.	.	.	.	.	1,353
Standard rate of hospitalizations (per 100,000)	21	25	17	52	.	32
Median age of hospitalized patients	63	73	63	63	.	68
Total cost of hospitalization (\$)	110,000	48,600	61,400	110,000	.	24,726,200
Average length of hospital stay (days)	3	4	2	3	.	4
Number of deaths*	9	4	5	9	.	478
Standard death rate (per 100,000)*	25	26	25	78	.	12

*Mortality data were provided by Division of Biostatistics, Office of Public Health Statistics and Information Systems, DHEC using ICD-10 codes.

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